BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

APPROVED SCHEDULE - B

Package-01 1.Construction of Govt School rooms, Palanahalli and Kattigenahalli Village in Ward No. 05 2.Improvements to roads and drains in Agarahara, Agarahara Layout and Surrounding area in Ward No. 05 3.Improvements to Roads and Drains in Kogilu Layout and Surrounding areas in Ward No. 05 4.Improvements to Roads and Drains at Tirumenahalli and Surrounding areas in Ward No. 05 5.Improvements to Roads and Drains Fro Jakkur double road to Jakkur Village Surrounding areas in Ward No. 05

SNo	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
1	1294.20	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. As per the direction of Engineer incharge	Cum	219.15	Rupees Two Hundre Nineteen And Paise Fifteen Only
2	1973.38	Removing and refixing stone slabs of drains and pointing in CM (1:3) As per the direction of Engineer incharge	Sqm	87.00	Rupees Eighty Seve Only
3	1510.34	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick As per the direction of Engineer incharge	Sqm	718.93	Rupees Seven Hundred Eighteen A Paise Ninety Three Only
4	4279.68	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. As per the direction of Engineer incharge	Cum	177.94	Rupees One Hundre Seventy Seven And Paise Ninety Four On
5	4270.68	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. As per the direction of Engineer incharge	Cum	1909.53	Rupees One Thousa Nine Hundred Nine And Paise Fifty Thre Only
6	17082.70	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per As per the direction of Engineer incharge	Sqm	29.76	Rupees Twenty Nine And Paise Seventy Si Only
7	17082.70	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. As per the direction of Engineer incharge	Sqm	13.74	Rupees Thirteen And Paise Seventy Four Only

Contractor

Executive Engineer
Project Division
Yelahanka Zone

	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
8	683.31	Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. As per the direction of Engineer incharge	Cum	8770.02	Rupees Eight Thousand Seven Hundred Seventy And Paise Two Only
9	710.60	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. As per the direction of Engineer incharge	Sqm	586.14	Rupees Five Hundred Eighty Six And Paise Fourteen Only
10	4.50	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	5776.66	Rupees Five Thousand Seven Hundred Seventy Six And Paise Sixty Six Only
11	45.45	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)	Cum	6715.40	Rupees Six Thousand Seven Hundred Fifteen And Paise Forty Only
12	454.50	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	103.03	Rupees One Hundred Three And Paise Three Only

Contractor

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	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
13	76.50	Earthwork in surface excavation in Ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Note : Adopt item 2.24 for excavation in all types of soils for lowering & levelling the ground for building works by mechanical means	Cum	183.12	Rupees One Hundred Eighty Three And Paise Twelve Only
14	151.10	Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Cum	220.45	Rupees Two Hundred Twenty And Paise Forty Five Only
15	211.00	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured)	Sqm	120.14	Rupees One Hundred Twenty And Paise Fourteen Only
16	39.10	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85Cum. and fine aggregates @ 0.57Cum. machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	5676.87	Rupees Five Thousand Six Hundred Seventy Six And Paise Eighty Seven Only
17	4.50	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.Ground Floor	Cum	6346.38	Rupees Six Thousand Three Hundred Forty Six And Paise Thirty Eight Only

Contractor

Executive Engineer
Project Division
Yelahanka Zone

25/9/19

Providing and laying in position plain cement concrete of mix

	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
18	1.00	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.Terrace	Cum	6463.02	Rupees Six Thousand Four Hundred Sixty Three And Paise Two Only
19	0.20	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.Window Cills	Cum	6404.70	Rupees Six Thousand Four Hundred Four And Paise Seventy Only
20	311.30	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications.	cum	296.27	Rupees Two Hundred Ninety Six And Paise Twenty Seven Only
21	0.40	Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications.	Cum	2218.49	Rupees Two Thousand Two Hundred Eighteen And Paise Forty Nine Only
22	58.40	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	Sqm	269.44	Rupees Two Hundred Sixty Nine And Paise Forty Four Only
23	79.20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	341.76	Rupees Three Hundred Forty One And Paise Seventy Six Only
24	10.70	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.Below Ground Floor	Sqm	426.90	Rupees Four Hundred Twenty Six And Paise Ninety Only
25	81.40	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.Ground Floor	Sqm	426.90	Rupees Four Hundred Twenty Six And Paise Ninety Only
26	30.30	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.First Floor	Sqm	432.73	Rupees Four Hundred Thirty Two And Paise Seventy Three Only
27	139.70	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Lintel	Sqm	298.60	Rupees Two Hundred Ninety Eight And Paise Sixty Only

Contractor

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Yelahanka Zone

	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
28	11.60	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. First Floor	Sqm	304.43	Rupees Three Hundred Four And Paise Forty Three Only
29	28.70	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Roof Beam	Sqm	298.60	Rupees Two Hundred Ninety Eight And Paise Sixty Only
30	28.70	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. First Floor	Sqm	304.43	Rupees Three Hundred Four And Paise Forty Three Only
31	9.90	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Ground Floor	Sqm	314.93	Rupees Three Hundred Fourteen And Paise Ninety Three Only
32	2.60	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. First Floor	Sqm	320.76	Rupees Three Hundred Twenty And Paise Seventy Six Only
33	10.40	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Ground Floor	Sqm	554.04	Rupees Five Hundred Fifty Four And Paise Four Only
34	208.40	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level.Ground Floor	Sqm	365.08	Rupees Three Hundred Sixty Five And Paise Eight Only
35	34.80	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. First Floor	Sqm	371.92	Rupees Three Hundred Seventy One And Paise Ninety Two Only

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Contractor

Executive Engineer
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Yelahanka Zone

	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
36	21.00	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 Cum. and fine aggregtes @ 0.47Cum., with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	7256.17	Rupees Seven Thousand Two Hundred Fifty Six And Paise Seventeen Only
37	49.50	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.Ground Floor	Cum	7426.47	Rupees Seven Thousand Four Hundred Twenty Six And Paise Forty Seven Only
38	10.00	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. First Floor	Cum	7484.79	Rupees Seven Thousand Four Hundred Eighty Four And Paise Seventy Nine Only

Contractor

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	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
39	9.90	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175Cum. and fine aggregtes @ 0.0345Cum., with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Ground Floor	Sqm	531.88	Rupees Five Hundred Thirty One And Paise Eighty Eight Only
40	2.60	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175Cum. and fine aggregtes @ 0.0345Cum., with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. First Floor	Sqm	537.71	Rupees Five Hundred Thirty Seven And Paise Seventy One Only
41	16.40	Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. Ground Floor	m	23.33	Rupees Twenty Three And Paise Thirty Three Only
42	4.20	Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. First Floor	m	23.33	Rupees Twenty Three And Paise Thirty Three Only
43	7.80	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Below Ground Level	MT	70692.00	Rupees Seventy Thousand Six Hundred Ninety Two Only
44	1.30	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. First Floor	MT	71242.55	Rupees Seventy One Thousand Two Hundred Forty Two And Paise Fifty Five Only
45	18.60	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	5837.83	Rupees Five Thousand Eight Hundred Thirty Seven And Paise Eighty Three Only

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Contractor

	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
46	8.00	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13	Cum	6122.43	Rupees Six Thousand One Hundred Twenty Two And Paise Forty Three Only
47	17.60	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	113.14	Rupees One Hundred Thirteen And Paise Fourteen Only
48	239.60	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. Ground Floor	Sqm	1092.92	Rupees One Thousand Ninety Two And Paise Ninety Two Only
49	55.70	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. First Floor	Sqm	1098.75	Rupees One Thousand Ninety Eight And Paise Seventy Five Only
50	10.80	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. Terrace	Sqm	1104.58	Rupees One Thousand One Hundred Four And Paise Fifty Eight Only
51	6.00	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.Ground Floor	Sqm	835.14	Rupees Eight Hundred Thirty Five And Paise Fourteen Only
52	9.80	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. First Floor	Sqm	840.97	Rupees Eight Hundred Forty And Paise Ninety Seven Only

Contractor

Executive Engineer
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Yelahanka Zone

	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
53	66.80	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. Terrace	Sqm	846.81	Rupees Eight Hundred Forty Six And Paise Eighty One Only
54	363.00	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Ground Floor	Sqm	230.95	Rupees Two Hundred Thirty And Paise Ninety Five Only
55	76.00	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. First Floor	Sqm	242.61	Rupees Two Hundred Forty Two And Paise Sixty One Only
56	154.00	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Terrace	Sqm	254.28	Rupees Two Hundred Fifty Four And Paise Twenty Eight Only
57	472.00	Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications.Ground Floor	Sqm	9.33	Rupees Nine And Paise Thirty Three Only
58	76.00	Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. First Floor	Sqm	9.33	Rupees Nine And Paise Thirty Three Only
59	45.00	Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. Terrace	Sqm	9.33	Rupees Nine And Paise Thirty Three Only
60	457.00	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) Ground Floor	m	38.88	Rupees Thirty Eight And Paise Eighty Eight Only
61	123.00	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) First Floor	m	38.88	Rupees Thirty Eight And Paise Eighty Eight Only

Contractor

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Yelahanka Zone

	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
62	310.00	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Internal Plastering) Ground Floor	sqm	194.79	Rupees One Hundred Ninety Four And Paise Seventy Nine Only
63	61.00	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Internal Plastering) First Floor	sqm	200.62	Rupees Two Hundred And Paise Sixty Two Only
64	205.00	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Ground Floor	sqm	225.12	Rupees Two Hundred Twenty Five And Paise Twelve Only
65	36.00	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. First Floor	sqm	230.95	Rupees Two Hundred Thirty And Paise Ninety Five Only
66	235.00	Flooring with 20 mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Ground Floor	sqm	1398.51	Rupees One Thousand Three Hundred Ninety Eight And Paise Fifty One Only
67	48.00	Flooring with 20 mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. First Floor	sqm	1400.26	Rupees One Thousand Four Hundred And Paise Twenty Six Only
68	52.00	Providing half nosing for 20mm thick granite / shahbad slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification Ground Floor	Rmt	184.29	Rupees One Hundred Eighty Four And Paise Twenty Nine Only
69	26.00	Providing half nosing for 20mm thick granite / shahbad slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification First Floor	Rmt	184.29	Rupees One Hundred Eighty Four And Paise Twenty Nine Only
70	363.00	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Ground Floor	Sqm	176.13	Rupees One Hundred Seventy Six And Paise Thirteen Only

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	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
71	76.00	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. First Floor	Sqm	184.12	Rupees One Hundred Eighty Four And Paise Twelve Only
72	154.00	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Terrace	Sqm	190.12	Rupees One Hundred Ninety And Paise Twelve Only
73	515.00	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (Internal Walls) Ground Floor	Sqm	65.32	Rupees Sixty Five And Paise Thirty Two Only
74	98.62	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (Internal Walls) First Floor	Sqm	65.32	Rupees Sixty Five And Paise Thirty Two Only
75	310.00	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer Ground Floor	Sqm	104.98	Rupees One Hundred Four And Paise Ninety Eight Only
76	61.00	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer First Floor	Sqm	104.98	Rupees One Hundred Four And Paise Ninety Eight Only
77	205.00	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications. Ground Floor	Sqm	109.64	Rupees One Hundred Nine And Paise Sixty Four Only

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				Rate in figures	Rate in words
78	36.00	Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications. First Floor	Sqm	109.64	Rupees One Hundred Nine And Paise Sixty Four Only
79	25.00	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. Ground Floor	Sqm	33.83	Rupees Thirty Three And Paise Eighty Three Only
80	5.00	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. First Floor	Sqm	33.83	Rupees Thirty Three And Paise Eighty Three Only
81	25.00	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Ground Floor	Sqm	95.64	Rupees Ninety Five And Paise Sixty Four Only
82	5.00	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. First Floor	Sqm	95.64	Rupees Ninety Five And Paise Sixty Four Only
83	26.10	Galvanized plain steel door frame of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre- punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre- treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. size 1000 x 2130 mm Ground Floor	Rmt	711.50	Rupees Seven Hundred Eleven And Paise Fifty Only

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	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFR PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
84	5.30	Galvanized plain steel door frame of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre- punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre- treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. size 1000 x 2130 mm First Floor	Rmt	711.50	Rupees Seven Hundred Eleven A Paise Fifty Only
85	11.20	Door Shutters Entrance : Providing & fixing factory made Galvanized steel door Shutters 32 mm thick manufactured from pre- painted Galvanized plain steel sheet 0.60 mm thick conforming to the IS: 14246. The door shutters consist of two outer skins if steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for fixing all hardware fixtures. The rate is including MS Doorlock, MS Aldrop, 2nos of oxidised MS Handles, 2nos. of 300mm longTower Bolt, transportation, loading, unloading, HOM etc. Ground Floor	Sqm	4117.39	Rupees Four Thousand One Hundred Seventee And Paise Thirty Ni Only
86	2.30	Door Shutters Entrance : Providing & fixing factory made Galvanized steel door Shutters 32 mm thick manufactured from pre- painted Galvanized plain steel sheet 0.60 mm thick conforming to the IS: 14246. The door shutters consist of two outer skins if steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for fixing all hardware fixtures. The rate is including MS Doorlock, MS Aldrop, 2nos of oxidised MS Handles, 2nos. of 300mm longTower Bolt, transportation, loading, unloading, HOM etc. First Floor	Sqm	4117.39	Rupees Four Thousand One Hundred Seventee And Paise Thirty Ni Only

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	Estimate Quantity	Item Name	Unit	Approved Rates of Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
				Rate in figures	Rate in words
87	18.80	Providing and fixing in position in cement concrete 1:3:6 steel glazed or Unglazed windows fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size or 1mm thick MS Sheet and 11 nos of 10mm square MS horizontal gaurd bars, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically.All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications. Ground Floor	Sqm	4619.33	Rupees Four Thousand Six Hundred Nineteen And Paise Thirty Three Only
88	1.50	Providing and fixing in position in cement concrete 1:3:6 steel glazed or Unglazed windows fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size or 1mm thick MS Sheet and 11 nos of 10mm square MS horizontal gaurd bars, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically.All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications.First Floor	Sqm	4625.16	Rupees Four Thousand Six Hundred Twenty Five And Paise Sixteen Only

25/2/19

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